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SHEET

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Assistant Commissioner for Patents:

100928853

Document.

1 Name of conveying party(ies):
Haim M. Haskal

2. Name and address of receiving party(ies):
**University of Massachusetts
One Beacon Street
Boston, MA 02108**

Additional name(s) attached? Yes No

Additional names/addresses attached? Yes No

3. Nature of conveyance:
- Assignment
 - Merger
 - Security Agreement
 - Change of Name
 - Other:



Execution Date: **December 7, 1998**

4 Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):
09/132,880

B. Patent No.(s):

Additional numbers attached? Yes No

5 Name/address of party to whom correspondence concerning document should be mailed:

**J. Peter Fasse
Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804**

6. Total number of applications/patents involved: **1**

7. Total fee (37 CFR 3.41): **\$40**

- Enclosed
- Authorized to charge deposit account

8. Deposit account number: **06-1050**

If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*

J. Peter Fasse

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document **2**

Date of Deposit

December 14, 1998

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

[Signature]

PATENT

ASSIGNMENT

For valuable consideration, I, Haim M. Haskal, of Chestnut, Hill, Massachusetts hereby assign to University of Massachusetts, a Massachusetts corporation having a place of business at One Beacon Street, Boston, Massachusetts 02108, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled METHODS AND SYSTEMS FOR THERMAL FIXING AND/OR ERASING OF HOLOGRAMS, filed August 11, 1998, and assigned U.S. Serial Number 09/132,880; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at BROOKLINE, MASS
this 17 day of December, 1998
Haim M. Haskal L.S.
Haim M. Haskal

STATE OF Massachusetts :
COUNTY OF Norfolk : ss.

Before me this 17th day of December, 1998, personally appeared

Haim M. Haskal known to me to be the person whose name subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

John F. DeFINA
Notary Public

My Commission Expires:

JOHN F. DeFINA
Notary Public
My Commission Expires February 3, 2000

[Notary's Seal Here]